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PTO/SB/01 (12-97)
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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number	081513-5																																									
		First Named Inventor	Igor TKACHOV																																									
COMPLETE IF KNOWN																																												
		Application Number	New Application																																									
		Filing Date	January 25, 2001																																									
		Group Art Unit	Unassigned																																									
		Examiner Name	Unassigned																																									
<input checked="" type="checkbox"/> Declaration Submitted With Initial Filing OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(d)) required)																																												
As a below named inventor, I hereby declare that: My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: <u>SYSTEM AND METHOD FOR THE APPLICATION OF AN LMS METHOD TO UPDATING AN ECHO CANCELLER IN AN ADSL MODEM</u> the specification of which <input checked="" type="checkbox"/> is attached hereto OR <input type="checkbox"/> was filed on (MM/DD/YYYY) _____ As United States Application Number or PCT International Application Number _____ And was amended on (MM/DD/YYYY) _____ (If applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed. <table border="1"><thead><tr><th>Prior Foreign Application Number(s)</th><th>Country</th><th>Foreign Filing Date (MM/DD/YYYY)</th><th>Priority Not Claimed</th><th colspan="2">Certified Copy Attached</th></tr><tr><th></th><th></th><th></th><th></th><th>YES</th><th>No</th></tr></thead><tbody><tr><td></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td></td><td></td><td></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td></tr></tbody></table> <input type="checkbox"/> Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto: I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below. <table border="1"><thead><tr><th>Application Number(s)</th><th>Filing Date (MM/DD/YYYY)</th><th rowspan="2"><input type="checkbox"/> Additional provisional application Numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.</th></tr></thead><tbody><tr><td>60/177,944</td><td>January 25, 2000</td></tr></tbody></table>				Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached						YES	No				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application Numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.	60/177,944	January 25, 2000
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DECLARATION – Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 3650 of any PT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application are listed on a supplemental priority date sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☒ Customer Number 22204
OR

☒ Registered practitioner(s) name/registration number listed below.

Name	Registration Number	Name	Registration Number
Daniel W. Sixbey	20,932	Daniel S. Song	43,143
Stuart J. Friedman	24,312	Marc S. Kaufman	35,212
Charles M. Leedom, Jr.	26,477	James E. Howard	39,175
David S. Safran	27,997	Corinne R. Gorski	34,339
Thomas W. Cole	28,290	Kenneth H. Salen	43,077
Donald R. Studebaker	32,815	Jason H. Vick	45,285
Jeffrey L. Costellia	35,483	Carolyn Baumgardner	41,345
Tim L. Brackett, Jr.	36,092	Luan C. Do	38,434
Eric J. Robinson	38,285		

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:

☐ A petition has been filed for this unsigned inventor.

Given Name (first and middle (if any))

Family Name or Surname

Igor

TKACHOV

Inventor's Signature: *Igor Tkachov*

Date:

1/25/01

Residence: City: Arlington

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Citizenship: Russia

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Country: USA

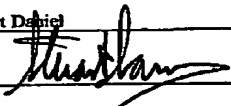
☒ Additional inventors are being named on the _____ Supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>2</u> of <u>2</u>	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name <u>Stuart Daniel</u>		Family Name Or Surname <u>SANDBERG</u>	
Inventor's Signature 		Date <u>1/25/01</u>	
Residence: City <u>Arlington</u>	State <u>MA</u>	Country <u>USA</u>	Citizenship <u>USA</u>
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Mailing Address			
City <u>Arlington</u>	State <u>MA</u>	ZIP <u>02476</u>	Country <u>USA</u>
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name		Family Name Or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name		Family Name Or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
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